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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/179,405	10/27/1998	KI-YOUNG KIM	1293.1050/MD	5634
21171	7590	04/05/2006	EXAMINER	
STAAS & HALSEY LLP SUITE 700 1201 NEW YORK AVENUE, N.W. WASHINGTON, DC 20005			DEANE JR, WILLIAM J	
			ART UNIT	PAPER NUMBER
			2614	

DATE MAILED: 04/05/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b> 09/179,405	<b>Applicant(s)</b> KIM ET AL.	
	<b>Examiner</b> William J. Deane	<b>Art Unit</b> 2614	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 02 October 2005.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 20 and 21 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 20-21 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |   |   |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)                        | 4) <input type="checkbox"/> Interview Summary (PTO-413)                     |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)    | Paper No(s)/Mail Date. _____  |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____   | 6) <input type="checkbox"/> Other: _____                                    |

## **DETAILED ACTION**

### ***Claim Rejections - 35 USC § 103***

Claims 20 – 21 are rejected under 35 U.S.C. 103(a) as being obvious over U.S. Patent No. 6,091,808 (Wood et al.) in view of U.S. Patent No. 6,870,828 (Giordano) or, in the alternative, under 35 U.S.C. 103(a) as obvious over Wood et al. in view of U.S. Patent No. 6,870,828 (Giordano, III).

With respect to claims 20 and 21, Wood et al teach a number searching system comprising: a phone (10); a telephone number database (42); a web server (34); an information terminal 12 (see Col. 3, lines 49 - 55) which displays a search for telephone number (see Fig. 3, element 68) and a telephone plug-in which automatically dials the displayed number (Compare page 6, lines 6 - 13 of the present application with Col. 6, line 56 - Col. 7, line 5 of Wood et al.). Note the telephone is connected to a second telephone line 14 of Fig 1. Note that both the telephone 10 and the information terminal 12 are both operable by a user. With respect to the connection of the plug-in to a web browser, second telephone line and the telephone see Fig 1. Therefore, Wood et al. teaches the claimed limitations except for the plug-in dialing the selected number independent of the web server.

The examiner notes Wood et al teach (col. 6, line 56 - col.7, line 9) that:  
"On clicking the DIAL button 75 [Fig. 3], the web page manager 36 communicates a message, containing ... a called telephone number DN from the windows

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68 [Fig. 3]... to the call control interface 46, via which this message is forwarded.... to the telephone switch 16. The switch 16 checks validity of the telephone numbers and that the subscriber's telephone 10 (calling telephone number CN) is on-hook, and provides a (possibly distinctive) ringing signal to the telephone 10. The subscriber, expecting this ring signal, takes his telephone 10 off-hook, and this is detected by the telephone switch 16 in conventional manner, in response to which the switch 16 sets up the desired telephone connection to the called number DN in the same manner as if the number DN had been dialed by the subscriber at the telephone 10." [Emphasis added]. When the subscriber at the telephone 10 dials a called directory number DN, the telephone switch 16 connects the call to the dialed DN independent of the web facility 22/web server 34 ("normal telephone call").

On one hand, clicking the dial button 75, as described above, may be read as the claimed "plug-in" having the ability to set-up the communication channel. In addition, note the definition of "plug-in" as defined by Harry Newton, Newton's Telecom Dictionary, March 1998, Flatiron Publishing, 14<sup>th</sup>, page 555. Therefore the button 75 performs the function of the plug-in as defined by Newton.

So the distinction between applicant's device and Wood et al. is manual versus automatic. That is, in Wood et al. one could get the information from the browser and then manually dial the number. The channel set up at this point would be independent of the web server. The examiner believes that such a modification would have been obvious to one of ordinary skill in the art. This is in particularly obvious in view of Col. 3,

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lines 58 – 64). Once the user has the number it would be obvious to automatically dial the number independent of the web server in order to use up less resources.

Therefore, Wood et al. teach the claimed limitations except for explicitly teaching predetermined link syntax, automatically dialing based on the predetermined syntax and the communication channel being independent of the plug-in. However, it appears that Giordano, III teaches such (see Abstract and at least Col. 3, lines 20 – 37). It would have been obvious to one of ordinary skill in the art to have incorporated such teachings as taught by Giordano, III into the Wood et al. device as nothing more than a design choice.

#### ***Response to Arguments***

Applicant's arguments with respect to claim 20 - 21 have been considered but are deemed persuasive to any error in the rejection above.

Basically, applicant argues about the automatically dialing based on the predetermined syntax. However, as shown above, Giordano, III teaches such as noted in the rejection above.

In response to applicant's argument that there is no suggestion to combine the references, the examiner recognizes that obviousness can only be established by combining or modifying the teachings of the prior art to produce the claimed invention where there is some teaching, suggestion, or motivation to do so found either in the references themselves or in the knowledge generally available to one of ordinary skill in the art. See *In re Fine*, 837 F.2d 1071, 5 USPQ2d 1596 (Fed. Cir. 1988) and *In re Jones*, 958 F.2d 347, 21 USPQ2d 1941 (Fed. Cir. 1992). In this case, it would have

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been obvious to take something that is done manually and make it automatic in light of the teachings of the references, if nothing more than making the system more efficient.


***Conclusion***

**THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Bill Deane whose telephone number is (571) 272-7484. In addition, facsimile transmissions should be directed to Bill Deane at facsimile number (703) 273-8300.

03April2006

  
WILLIAM J. DEANE, JR.  
PRIMARY EXAMINER